

NWS Form E-5
(04-2006)

(PRES. BY NWS Instruction 10-924)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

HYDROLOGIC SERVICE AREA (HSA)

San Angelo, TX

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH

YEAR

January

2011

TO: Hydrologic Information Center, W/OS31
NOAA's National Weather Service
1325 East West Highway
Silver Spring, MD 20910-3283

SIGNATURE

Jason Johnson

DATE

February 15, 2011

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

☒ An X inside this box indicates that no flooding occurred within this hydrologic service area.

Typical dry winter conditions prevailed across much of the San Angelo hydrologic service area (HSA) during January, 2011. The first measureable precipitation for the month occurred on the 8th as a strong upper low moved across the desert southwest into Texas. Scattered thunderstorms and showers developed on the 8th through the 9th. Rainfall occurred along and southeast of a Iraan to Abilene line. A few areas in Crockett, Concho, McCulloch, Coleman and San Saba Counties received over one inch of rain. By the end of the month, temperatures were unseasonably warm. The warm spell ended abruptly on the evening of the 31st as a very strong Arctic cold front moved south across the HSA. Along with the Arctic front, a strong shortwave trough moved east across the HSA. With ample gulf moisture, rain and then a winter mix of freezing rain and sleet developed across the Big Country late on the 31st. This winter event continued into early February.

Average precipitation during the month ranges from 0.75 of an inch to 1.25 inches across the HSA. The average precipitation reported from coop observers in January was 0.59 of an inch. The highest monthly precipitation total of 2.25 inches was reported in eastern San Saba County. Only the Coop observers in San Saba County received over 1.5 inches of precipitation in January.

The San Angelo Regional Airport received 0.68 of an inch of precipitation during January, which was 0.14 of an inch below normal for the month. The monthly normal precipitation for San Angelo in January is 0.82 of an inch.

The Abilene Regional Airport received 0.92 of an inch of precipitation during January, which was 0.05 of an inch below normal for the month. The monthly normal precipitation for Abilene in January is 0.97 of an inch.

Junction received 0.64 of an inch of rain during January. The estimated average monthly rainfall in January is about 0.80 of an inch.

Coop Observer Rainfall Totals for January, 2011:

Station Name	Amount (in)		Station Name	Amount (in)
Abilene 2	0.16		Oak Creek Lake	T
Anson	0.00		Ozona 22SE	0.35
Ballinger 2NW	0.34		Paint Rock	0.25
Brady	1.32		Putnam	0.61
Brownwood	1.48		Red Bluff Crossing	2.25
Burkett	1.08		Robert Lee	0.03
Coleman	0.78		Roscoe	0.00
Eden	1.20		Rotan	T
Eldorado	0.58		San Angelo WFO	0.28
Eldorado 10W	0.55		San Saba 7NW	1.78
Fort Griffin	0.22		Santa Anna 12SSE	1.24
Fort McKavett	1.00		Silver Valley	0.61
Glen Cove 2NE	0.59		Sonora	0.00
Hamlin	0.05		Sterling City	0.02
Haskell	0.04		Taylor Ranch	1.57
Hords Creek Res.	0.60		Throckmorton 7NE	0.00
Junction 4SSW	0.66		Water Valley	0.05
Mason	1.19		Winters 1NE	0.26
Menard	1.17		Woodson	0.37
Mertzon 12WNW	0.23		(T) <i>Trace</i>	

Reservoir Conditions (end of January, 2011)

Reservoir	Conservation Capacity (Ac-Ft)	End of Month Capacity (Ac-Ft)	Percent of Capacity (%)
Fort Phantom Hill	70,030	58,190	83
Lake Stamford	52,700	50,180	97
Hubbard Creek Lake	317,800	192,690	61
Hords Creek Lake	8,800	2,740	34
Lake Brownwood	131,428	79,440	60
E.V. Spence	488,760	14,110	3
O.C. Fisher	119,200	2,080	2
O.H. Ivie	554,340	178,000	32
Twin Buttes	177,800	33,480	19

Hydro Products Issued

ESF = 2 (Probabilistic Forecast)

DGT = 2 (Drought Statements)

The NWS precipitation analysis can be viewed at <http://water.weather.gov/>.

The total monthly precipitation estimate and percent of normal precipitation for January across the San Angelo HSA is depicted below.

